

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- 5 (i) APPLICANT: Nobori et al., Tsutomu
- (ii) TITLE OF INVENTION: METHOD FOR DETECTION OF
METHYLTHIOADENOSINE PHOSPHORYLASE DEFICIENCY IN MAMMALIAN
CELLS
- (iii) NUMBER OF SEQUENCES: 1
- 10 (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Fish & Richardson P.C.
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(C) CITY: La Jolla
(D) STATE: CA
(E) COUNTRY: U.S.A.
15 (F) ZIP: 92037
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
20 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: US
(B) FILING DATE:
(C) CLASSIFICATION:
- 25 (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/459,343
(B) FILING DATE: 02-JUN-1995
- (viii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/176,855
30 (B) FILING DATE: 29-DEC-1993
- (ix) ATTORNEY/AGENT INFORMATION:
(A) NAME: Taylor, Stacy L.
(B) REGISTRATION NUMBER: 34,842
(C) REFERENCE/DOCKET NUMBER: 07340/050001

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 619/678-5070

(B) TELEFAX: 619/678-5099

(2) INFORMATION FOR SEQ ID NO:1:

5 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 3083 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

10 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CCTGGTCTCG CACTGCTAC TCCGCGCAG TGAGGTTGGC ACAGCCACCG CTCTGTGGCT 60
CGCTTGTTTC CTTAGTCCC GAGCGCTCGC CCACTGCAGA TTCCTTTCCC GTGCAGACAT 120
GGCCTCTGGC ACCACCACTA CCGCCGTGAA GGTGAGATGA GCCCTCCCAG CCGCAGCGGT 180
TCGCCTGCCG GATGCCTTCN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 240
15 NNNNNNNNNN CTTCAAATG TTTGTTGATT TTTATGGAAG GCTTTGAAAT ATTTGTTGAT 300
TGATGTTTTCAG TAATTTTTCAG ATTTCAAAAA AATAACTAGG GCTTGGCAGG AATGGAGAAG 360
AGCATATGAA TAAATGAATT TGCTTAGAAT CTTATTTCTA ATAAAAATTA CCAAATACAA 420
TAATCTTATA TGTCTTTTTC TGCTCTTAGA TTGGAATAAT TGGTGAACA GGCCTGGATG 480
ATCCAGAAAT TTTAGAAGGA AGAACTGAAA AATATGTGGA TACTCCATTT GGCAAGGTTA 540
20 ATATCCAAT TGTGGAGACA TGTTTNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 600
TTCTCTAAGT TGTATCCTCA GACTCTTCAG ATTCCATGAG TCCTGTTGTG GTTGAACAAT 660
TATAATTTAC ATACCTGTTT TTAAATCAC TGAGTTAAAT GTCATTTTTT TCATTGCATG 720
CAGCCATCTG ATGCCTTAAT TTTGGGGAAG ATAAAAATG TTGATTGCGT CCTCCTTGCA 780
AGGTATGGTA NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 840
25 NNNNNNNNNN AAGCTTGATA CTCATCACGG GTTAACAATT TCTTCTCTCC TTCCATAGGC 900

	ATGGAAGGCA GCACACCATC ATGCCTTCAA AGGTCAACTA CCAGGCGAAC ATCTGGGCTT	960
	TGAAGGAAGA GGGCTGTACA CATGTCATAG TGACCACAGC TTGTGGCTCC TTGAGGGAGG	1020
	AGATTTCAGCC CGGCGATATT GTCATTATTG ATCAGTTCAT TGACAGGTAA GCAGTCATAC	1080
	AAAATGCTTT AGGCTATTGT AGCTGGTCAT TTTCAGCTCA AATGGACGAC NNNNNNNNNN	1140
5	NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN	1200
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	AGTCTGGAGT AAAGACCCAA ATATTGACCT AGATAAAGTT GACTCACCAG CCCTCGGAGG	1320
	ATGGAAGAT GGCCTTAAA TAAACAAAC AAAACCTTT TTTGCTTTAT TTTGTAGGAC	1380
	CACTATGAGA CCTCAGTCCT TCTATCATGG AAGTCATTCT TGTGCCAGAG GAGTGTGCCA	1440
10	TATTCCAATG GCTGAGCCGT TTTGCCCAA AACGAGAGAG GTGTGTAGTC TTTCTGGAAG	1500
	GTGTACCAGA ATAAATCATG TGGGCTTGGG GTGGCATCTG GCATTGGTT AATTGGCAGA	1560
	CGGAGTGGCC CCATACCCTC ACTCAAGTTT GCTTTGTATT ATGCAAGTTT ATGGAGAGTT	1620
	ATTCCTGTT GCTAATAATT TNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN	1680
	NNNNNNNNNN NNNNNNNNNN AAGTGCAGCC TTAAGTTGTG CATGTGCTAG TATGTTTTGA	1740
15	AGTTTCTGGT TTTTCTTTT TAGGTTCTTA TAGAGACTGC TAAGAAGCTA GGACTCCGGT	1800
	GCCACTCAAA GGGGAQAATG GTCACAATCG AGGGACCTCG TTTTAGCTCC CGGGCAGAAA	1860
	GCTTCATGTT CCGCACCTGG GGGGCGGATG TTATCAACAT GACCACAGTT CCAGAGGTGG	1920
	TTCTTGCTAA GGAGGCTGGA ATTTGTTACG CAAGTATCGC CATGGGCACA GATTATGACT	1980
	GCTGGAAGGA GCACGAGGAA GCAGTAGGTG GAATCTTTT CTAAGCACAT ATAGCATGGG	2040
20	TTTCTGGGTG CCAATAGGGT GTCTTAACTG TTTGTTTCTA TTACGTTAGT TTCAGAAAGT	2100
	GCCTTCTAC AAGGTTTGA AGTTGTTAAT ATTTTCTGTA GTTCCATTGG AAGGTAAGAA	2160
	CATAGATCAA AAGAAAGAAA GAGACACTTT TACCCAAGGA TCAGTAGTGA AAATAGTACA	2220
	TTGTAGGCAT GTAGATGTGT TGAGAATCAT ACTAAGACTT GGGCCTTNNN NNNNNNNNNN	2280

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NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 2340
NNNNNNNNNN GAGCTCCGAA AAATGTTTTA TGA CTAGCAG TGGAA TTTA AGTTCTAGTA 2400
ACCTCCAGTG CTATTGTTTC TCTAGGTTTC GGTGGACCGG GTCTTAAAGA CCCTGAAAGA 2460
AAACGCTAAT AAAGCCAAAA GCTTACTGCT CACTACGATA CCTCAGATAG GGTCCACAGA 2520
ATGGTCAGAA ACCCTCCATA ACCTGAAGGT AAGTGT CAGC CATGGACAAC CAGGCATGTC 2580
TGGAGACTCT CTATTGTCTT CTCTCTCAC TAGCATCACA CCCGGGGGTC CTCATGTATT 2640
TTATGCCAGC CTANNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 2700
CTGTAGAATT TATTTAAAGT GTATGTTTCC TCGTCCTCA CTTTGATCTA GAAAATCAAA 2760
ATCTGGTTTT TTTTTTACA AACATCTCAG TAATTACGCC AACATGTGAA TATCACTGCC 2820
TCCTTTCTTC CTTTCAGAAT ATGGCC CAGT TTTCTGTTTT ATTACCAAGA CATTAAAGTA 2880
GCATGGCTGC CCAGGAGAAA AGAAGACATT CTAATTCCAG TCATTGGGA ATTCCTGCTT 2940
AACTTGAAAA AAATATGGGA AAGACATGCA GCTTTCATGC CCTTGCCTAT CAAAGAGTAT 3000
GTTGTAAGAA AGACAAGACA TTTGTGTGTA TTAGAGACTC CTGAATGATT TAGACAACTT 3060
CAAAATACAG AAGAAAAGCA AAA 3083